

Legend

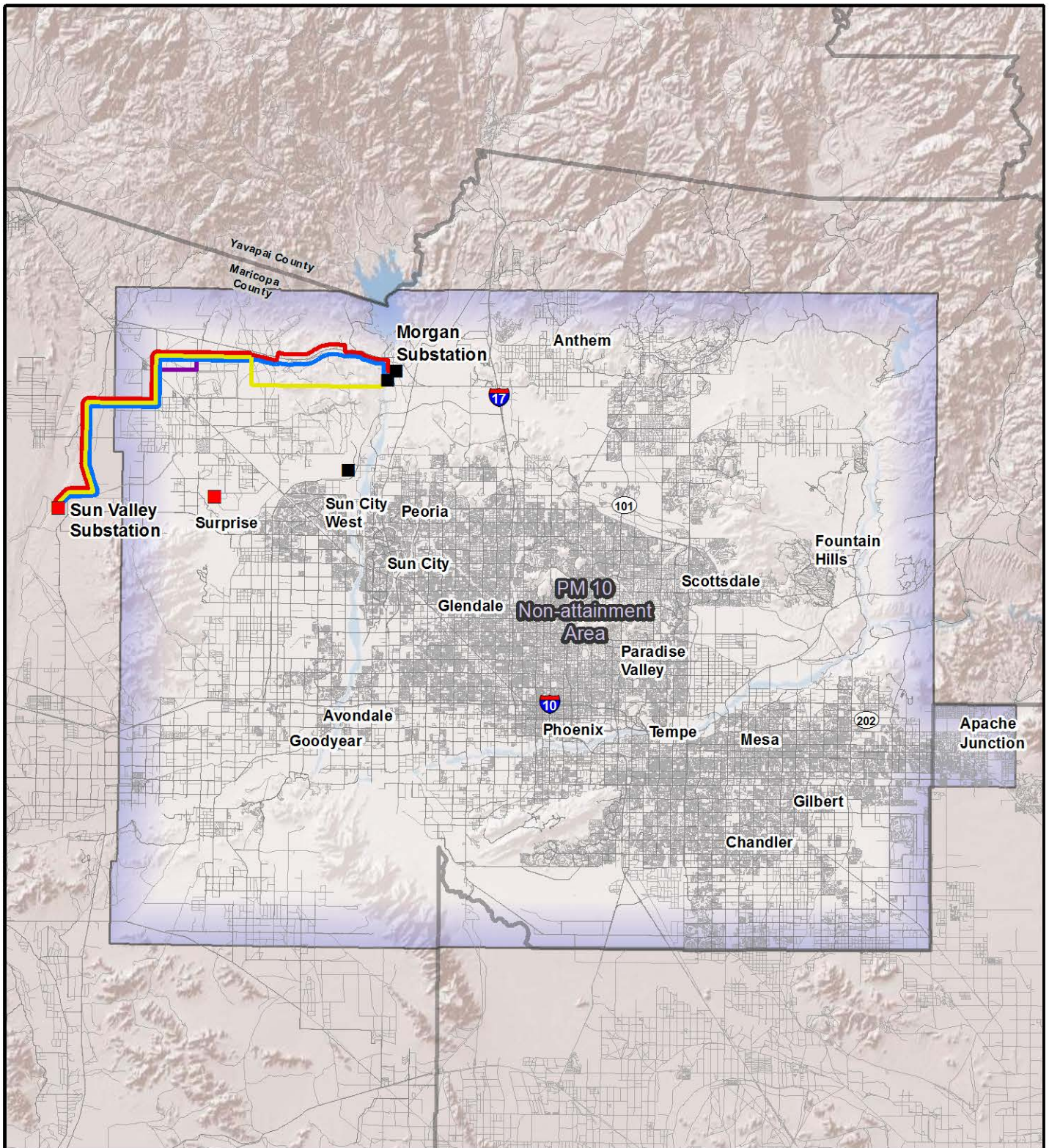
- Sulphur Dioxide Attainment with a Maintenance Plan
- Sulphur Dioxide Non-attainment
- Carbon Monoxide Attainment with a Maintenance Plan
- PM10 Attainment with a Maintenance Plan
- PM10 Non-attainment
- Ozone-8hr Non-attainment
- Sun Valley to Morgan Proposed Action Right-of-Way
- Alternative 2 South of SR 74
- Alternative 3 Carefree Highway
- Project Area - 2 Mile Buffer

Base Map: ESRI Shaded Relief accessed at ArcGISOnline.com
Attainment/Nonattainment areas: ADEQ



40 20 0 40
Miles

Figure 3.2-1
Non-attainment and Attainment with
Maintenance Plan Areas
Sun Valley to Morgan 500/230kV -
Transmission Line EIS Project



Base Map: ESRI Shaded Relief accessed at ArcGISOnline.com

Legend

- Sun Valley to Morgan
- Proposed Action Right-of-Way
- Alternative 2 South of SR 74
- Alternative 3 Carefree Highway
- Sub-alternative: State Trust Land Route Variation
- Existing High-Voltage Substation
- Approved High-Voltage Substation
- PM 10 Non-attainment Area

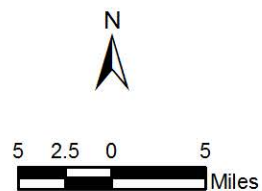
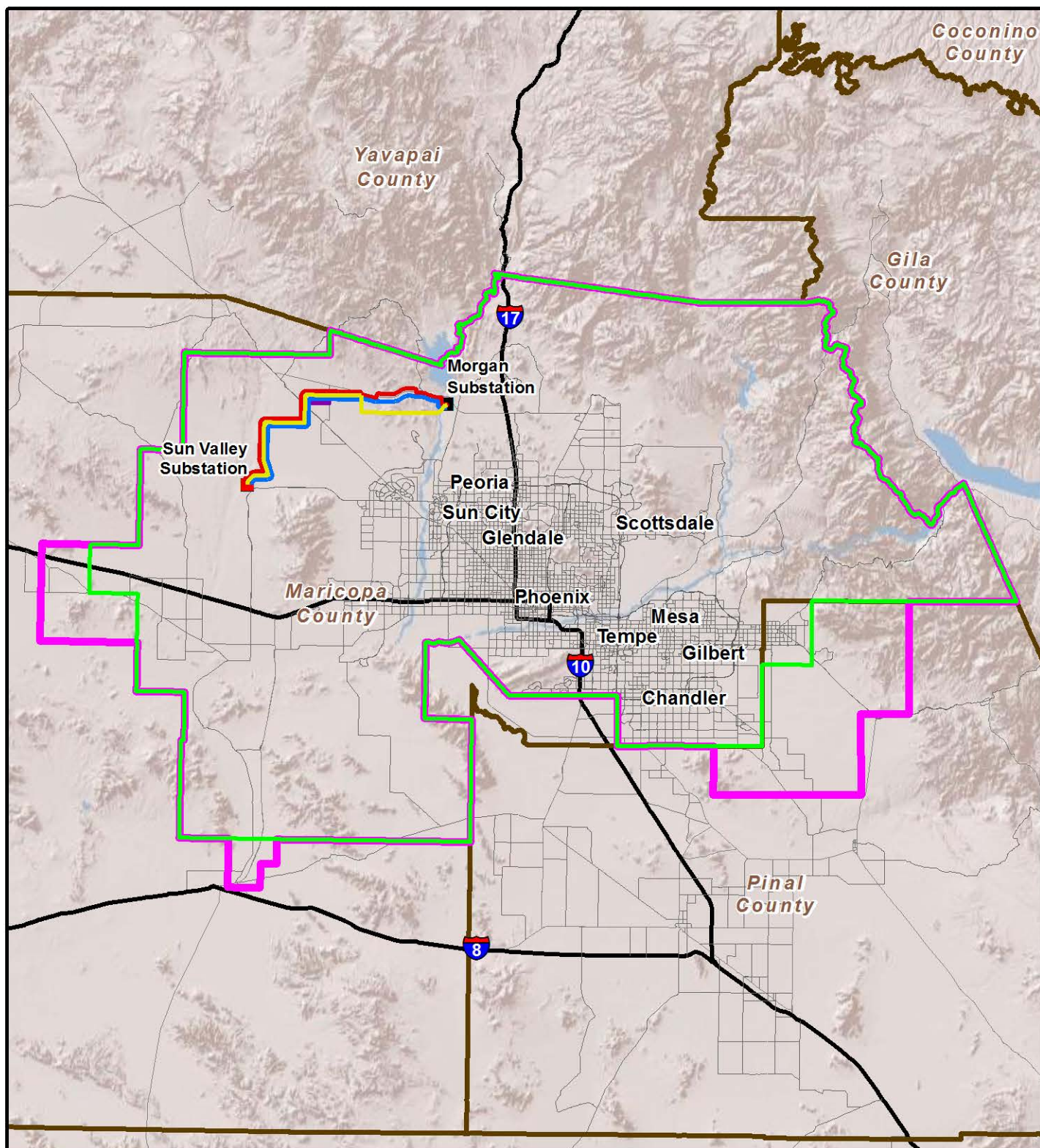


Figure 3.2-2
PM 10 Non-attainment Area
Sun Valley to Morgan 500/230kV -
Transmission Line EIS Project



Base Map: ESRI Shaded Relief accessed at ArcGISOnline.com
BLM 2011

Legend

- Sun Valley to Morgan Proposed Action Right-of-Way
- Alternative 2 South of SR 74
- Alternative 3 Carefree Highway
- Sub-alternative: State Trust Land Route Variation
- Existing High-Voltage Substation
- Approved High-Voltage Substation
- Existing 8-Hour Ozone NAA
- Recommended 8-Hour Ozone NAA

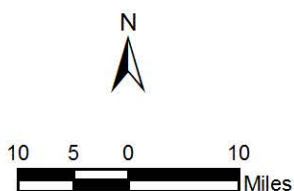
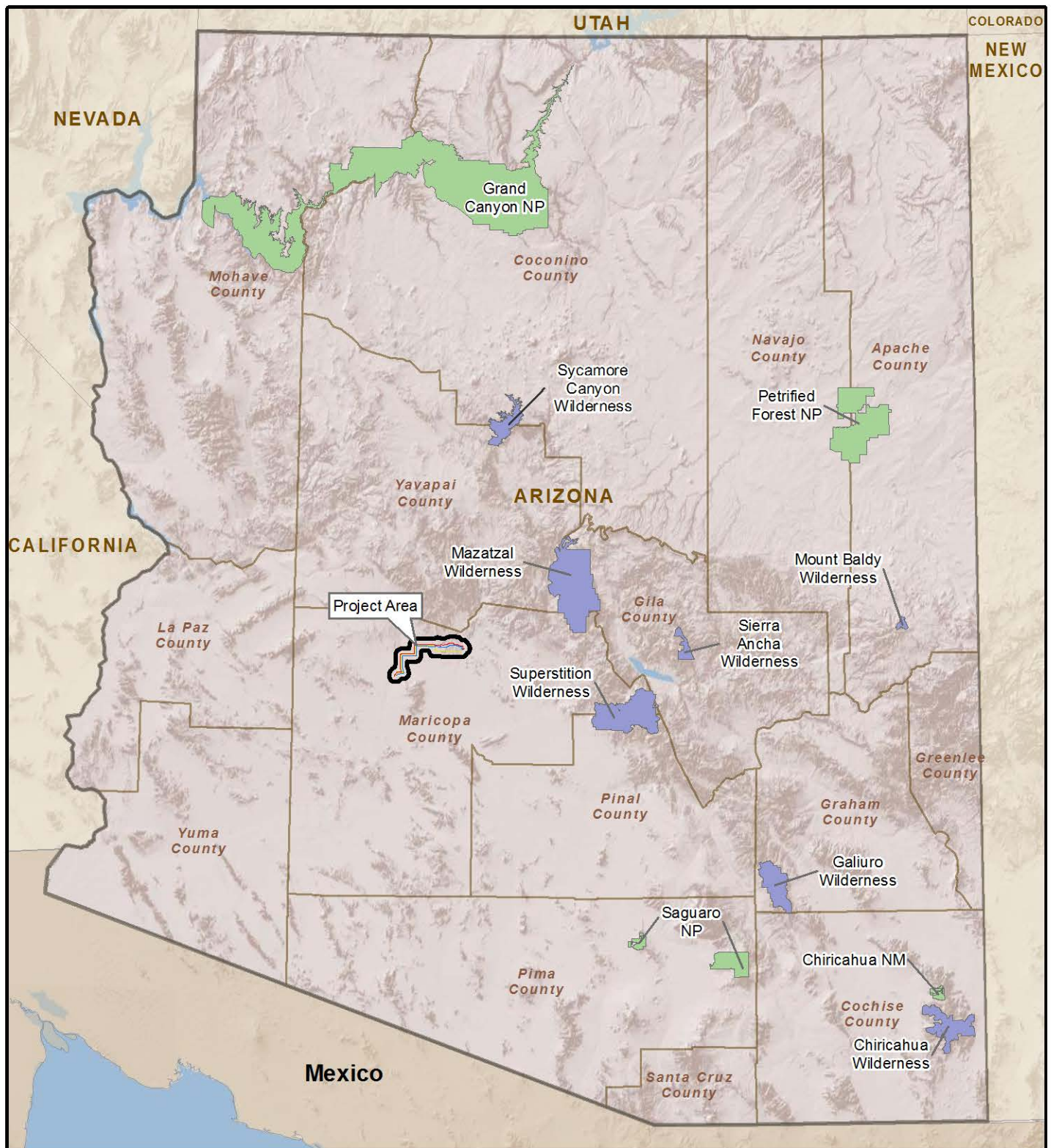


Figure 3.2-3
Recommended 8-Hour Ozone
Non-attainment Area
Sun Valley to Morgan 500/230kV -
Transmission Line EIS Project



Legend

- Sun Valley to Morgan Proposed Action Right-of-Way
- Alternative 2 South of SR 74
- Alternative 3 Carefree Highway
- Project Area - 2 Mile Buffer

Class One Airshed

- National Park Service Class I Boundaries
- US Forest Service Class I Boundaries

Base Map: ESRI Shaded Relief accessed at ArcGISOnline.com
Class One Airsheds: FWS, NPS, USFS

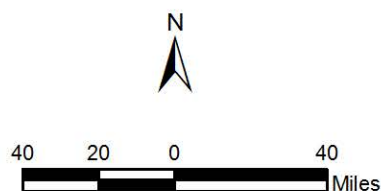
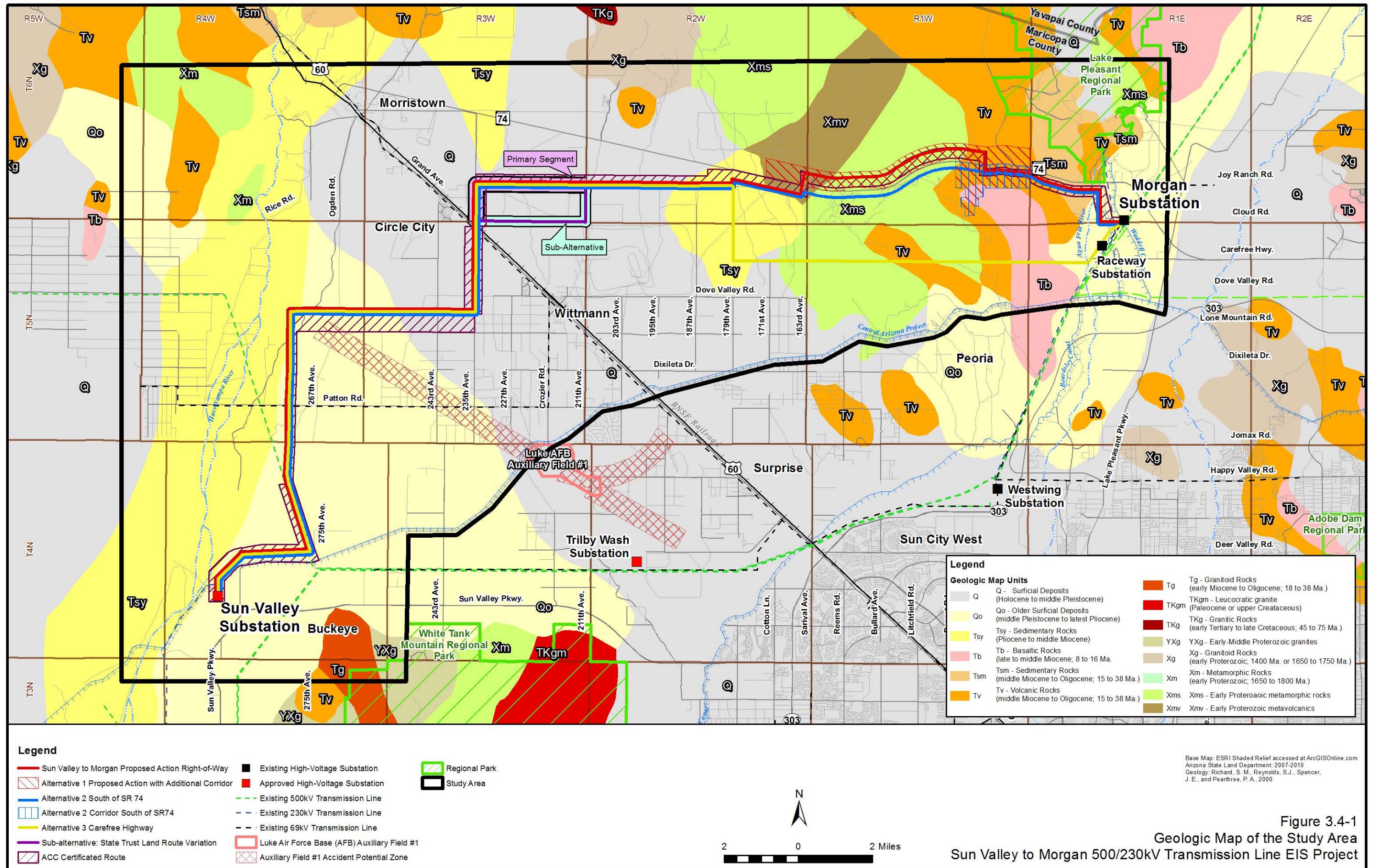
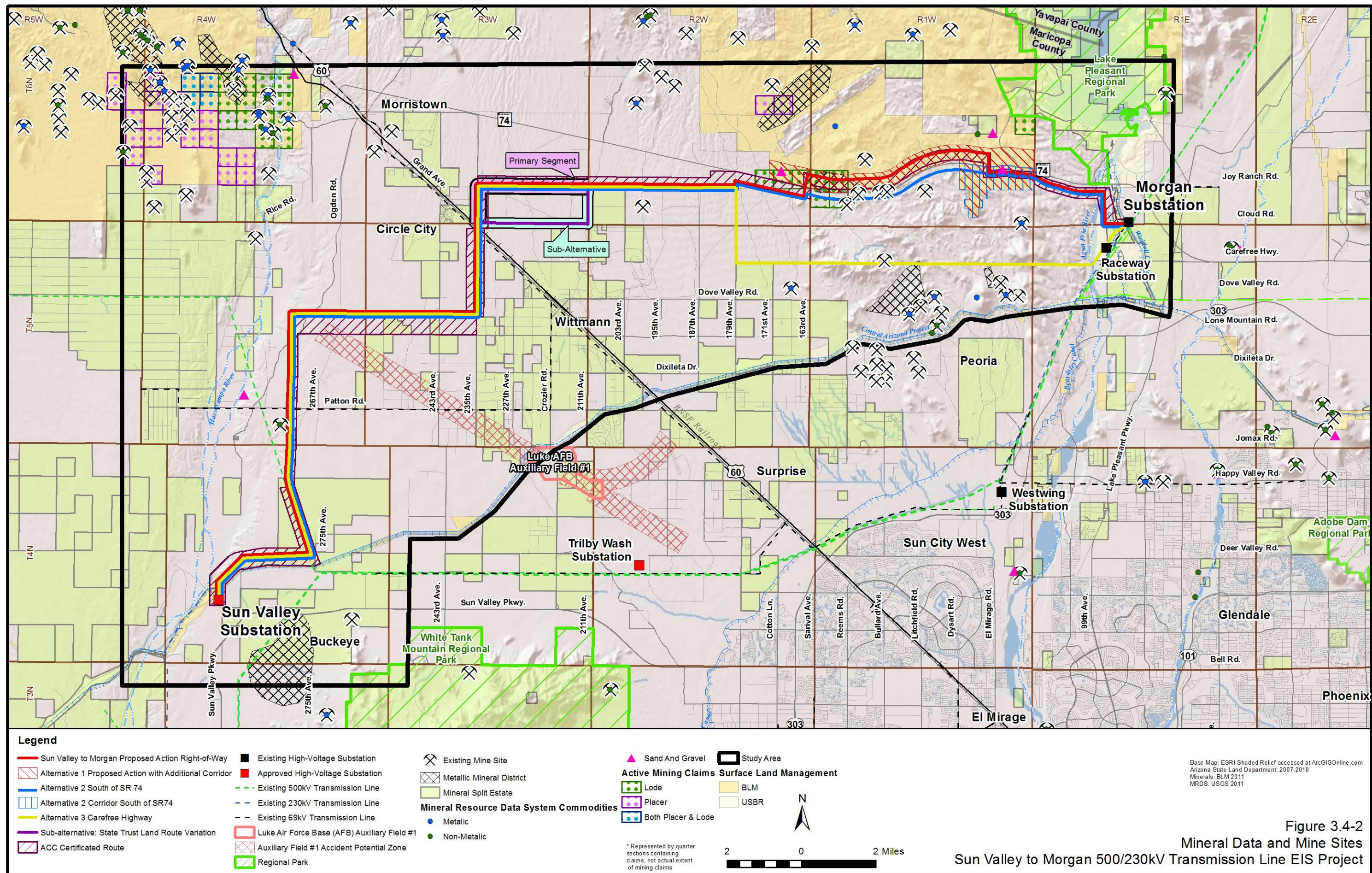
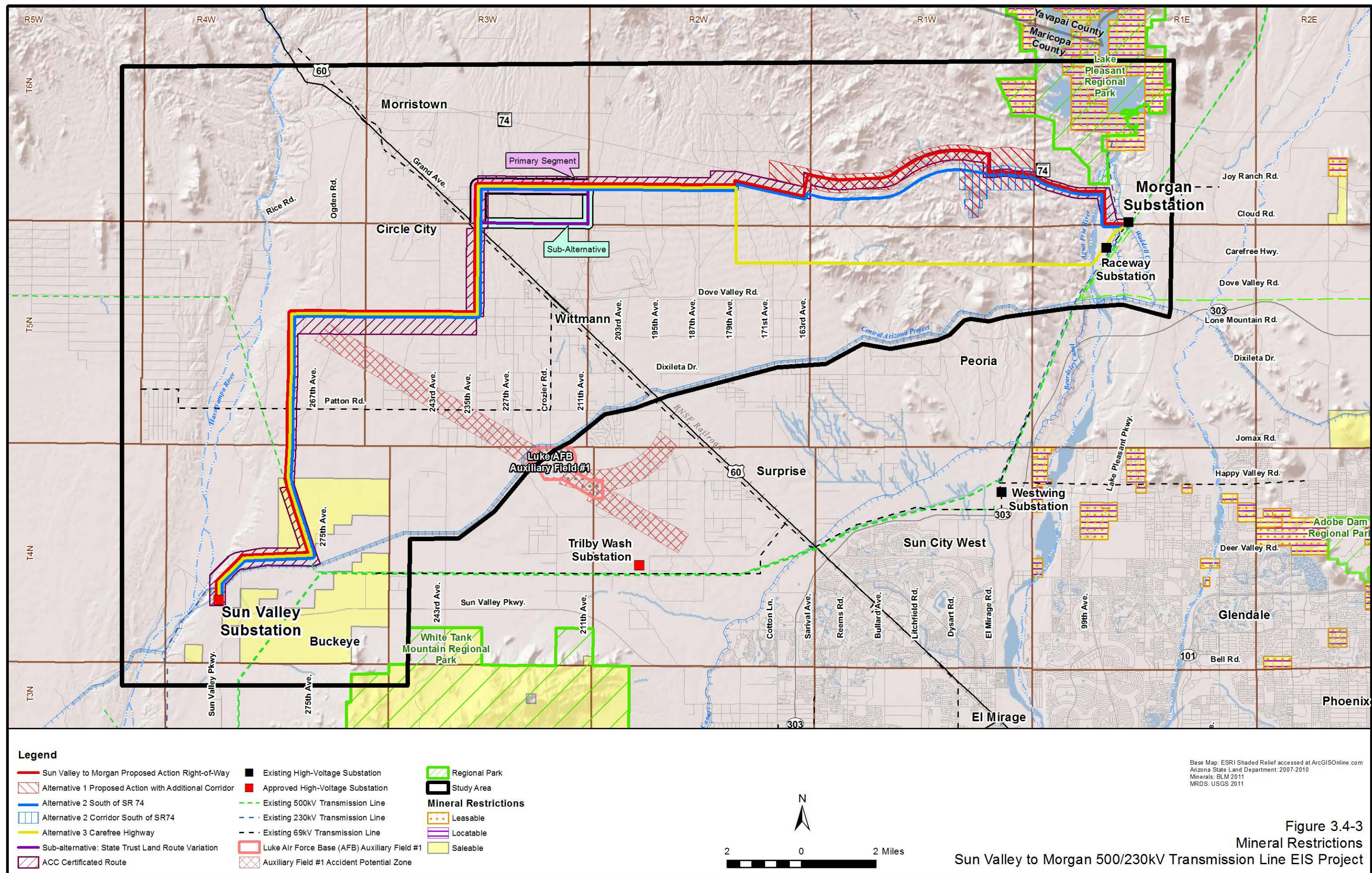
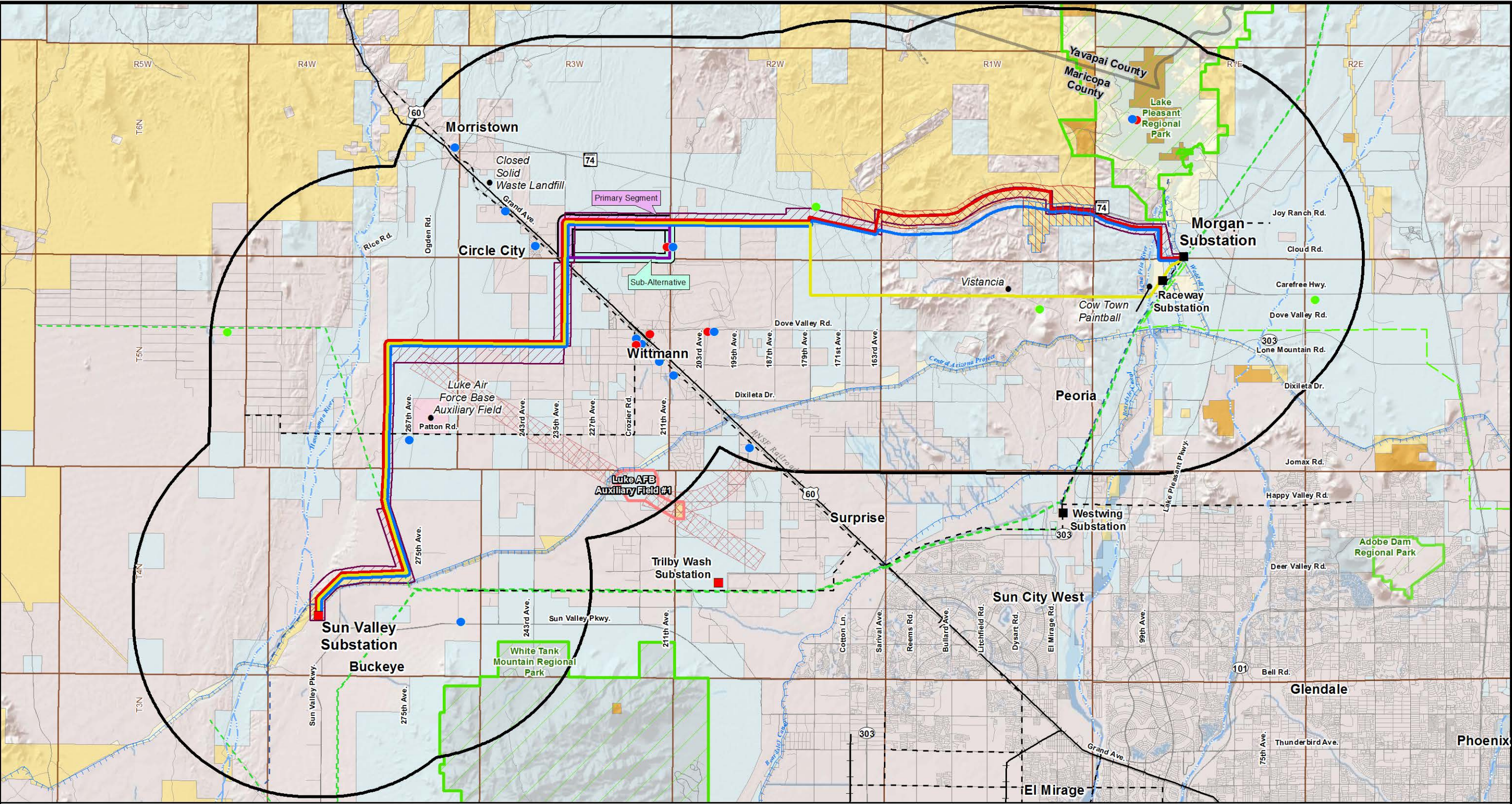


Figure 3.2-4
Arizona Class I Areas
Sun Valley to Morgan 500/230kV -
Transmission Line EIS Project









Legend

- Sun Valley to Morgan Proposed Action Right-of-Way
- Alternative 1 Proposed Action with Additional Corridor
- Alternative 2 South of SR 74
- Alternative 2 Corridor South of SR74
- Alternative 3 Carefree Highway
- Sub-alternative: State Trust Land Route Variation
- ACC Certificated Route
- Existing High-Voltage Substation
- Approved High-Voltage Substation
- Existing 500kV Transmission Line
- Existing 230kV Transmission Line
- Existing 69kV Transmission Line
- Luke Air Force Base (AFB) Auxiliary Field #1
- Auxiliary Field #1 Accident Potential Zone

Surface Land Management

- BLM
- USBR
- County
- Military
- Local or State Parks
- State Trust Lands
- Private

Regional Park

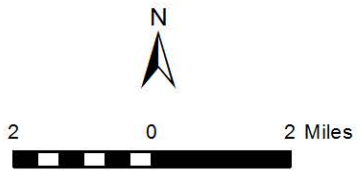
- Regional Park

Study Area

- Study Area

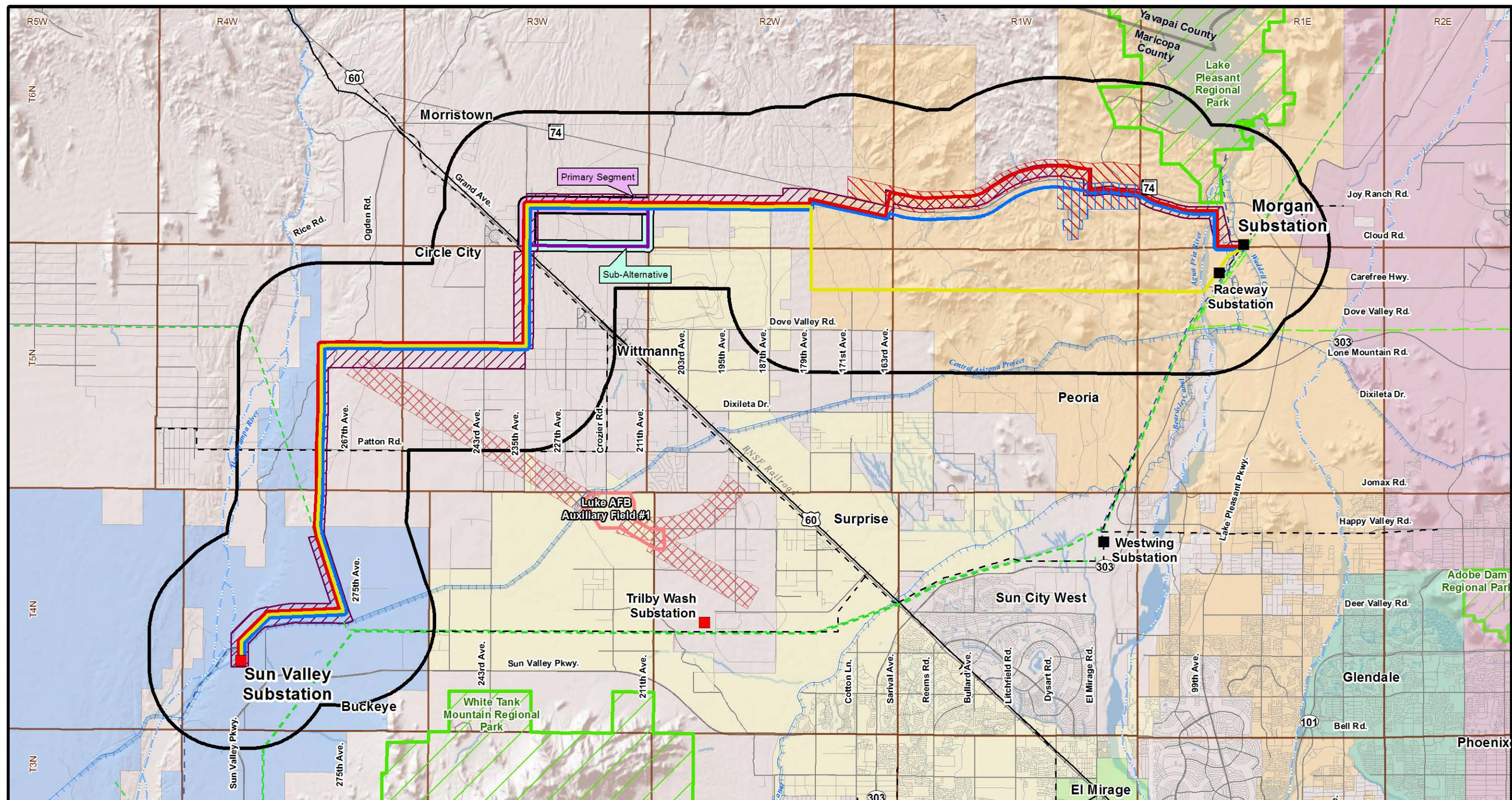
Hazardous Sites

- Leaking UST (LUST)
- Spill and Remediation Area
- Underground Storage Tank (UST)
- Disposal Site



Base Map: ESRI Shaded Relief accessed at ArcGISOnline.com
 Arizona State Land Department: 2007-2010
 Hazard Sites: URS 2011

Figure 3.5-1
Hazardous Material Sites
 Sun Valley to Morgan 500/230kV Transmission Line EIS Project



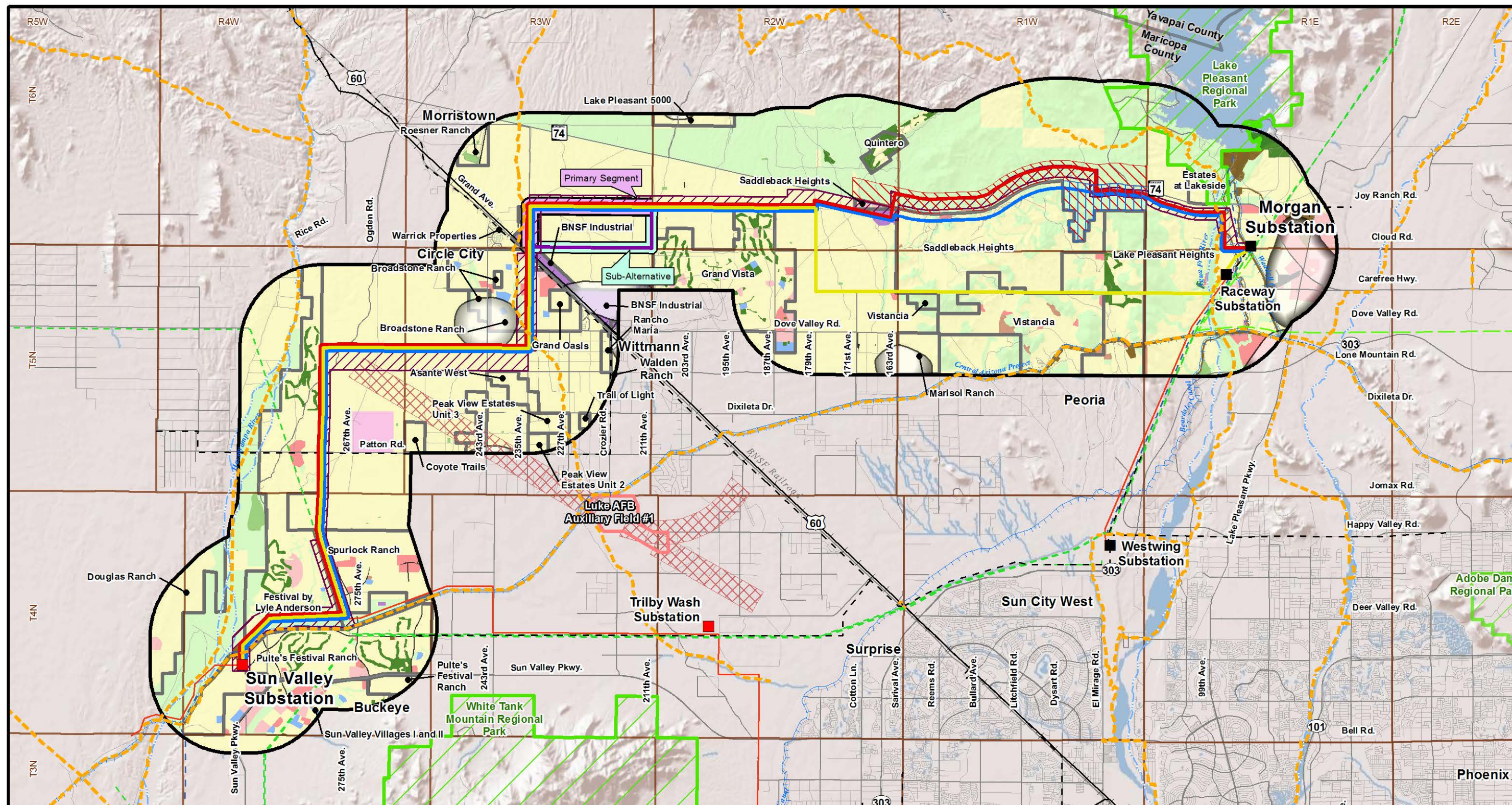
Legend

- | | | | |
|---|---|--|---|
| — Sun Valley to Morgan Proposed Action Right-of-Way | ■ Existing High-Voltage Substation | City of El Mirage | Regional Park |
| Alternative 1 Proposed Action with Additional Corridor | ■ Approved High-Voltage Substation | City of Glendale | Study Area |
| — Alternative 2 South of SR 74 | --- Existing 500kV Transmission Line | City of Peoria | |
| Alternative 2 Corridor South of SR74 | --- Existing 230kV Transmission Line | City of Phoenix | |
| — Alternative 3 Carefree Highway | --- Existing 69kV Transmission Line | City of Surprise | |
| — Sub-alternative: State Trust Land Route Variation | Luke Air Force Base (AFB) Auxiliary Field #1 | Maricopa County | |
| ACC Certificated Route | Auxiliary Field #1 Accident Potential Zone | Town of Buckeye | |

Base Map: ESRI Shaded Relief accessed at ArcGISOnline.com
Arizona State Land Department: 2007-2010



Figure 3.6-1
Jurisdiction
Sun Valley to Morgan 500/230kV Transmission Line EIS Project



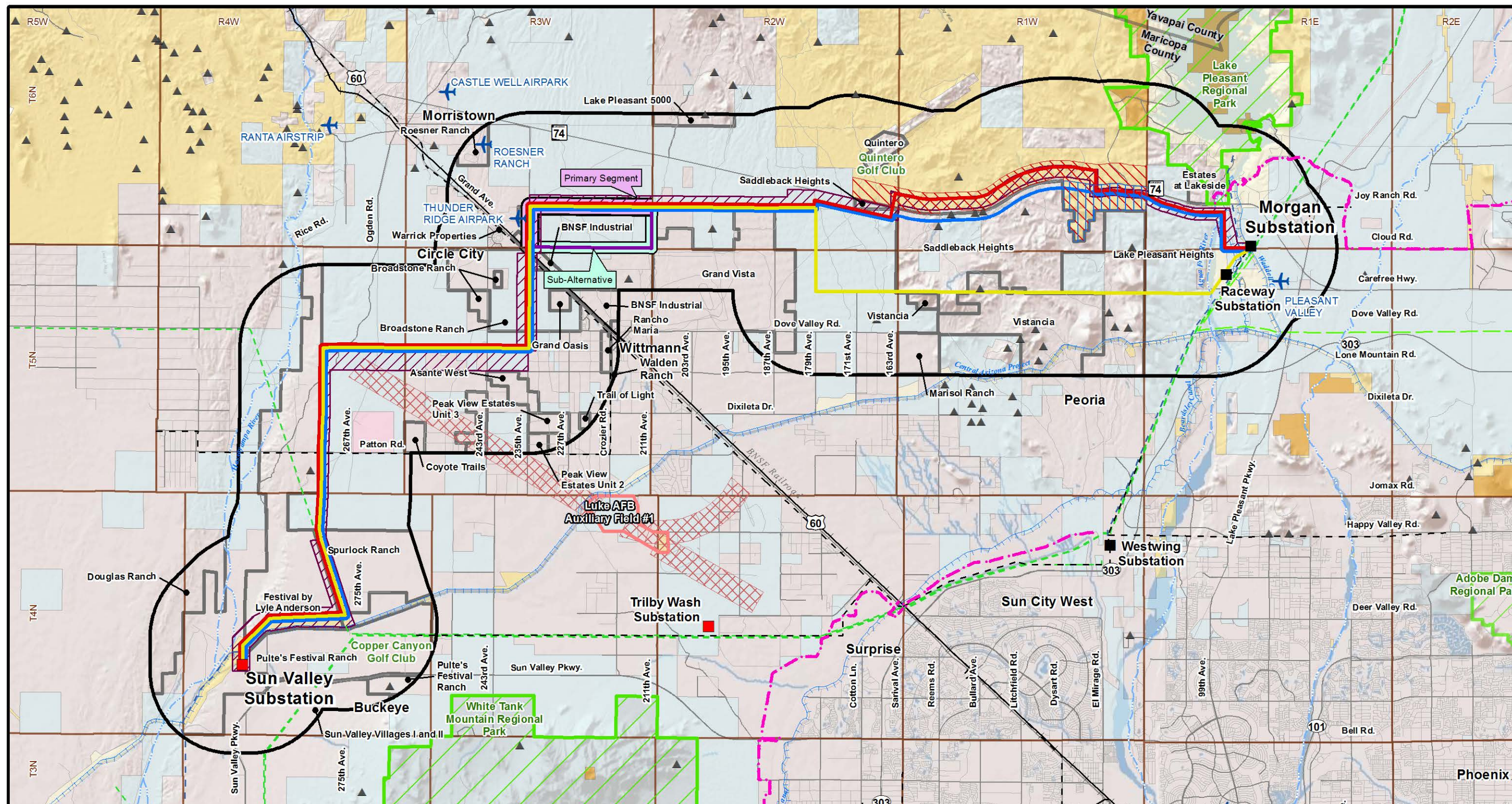
Legend

<ul style="list-style-type: none"> Sun Valley to Morgan Proposed Action Right-of-Way Alternative 1 Proposed Action with Additional Corridor Alternative 2 South of SR 74 Alternative 2 Corridor South of SR 74 Alternative 3 Carefree Highway Sub-alternative: State Trust Land Route Variation ACC Certificated Route 	<ul style="list-style-type: none"> Existing High-Voltage Substation Approved High-Voltage Substation Existing 500kV Transmission Line Existing 230kV Transmission Line Existing 69kV Transmission Line Approved High-Voltage Transmission Line Luke Air Force Base (AFB) Auxiliary Field #1 Auxiliary Field #1 Accident Potential Zone 	<p>Future Land Use</p> <ul style="list-style-type: none"> Utilities Open Space Recreation Agricultural Residential Commercial Mixed Use Industrial Public/Quasi School Transportation Military 	<ul style="list-style-type: none"> Identified Growth Area Regional Park Study Area Future Trail Existing and Future Development Areas
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Base Map: ESRI Shaded Relief accessed at ArcGISOnline.com
 URS: 2008, 2011
 FAA: 2009
 Maricopa Association of Governments: 2011
 JBR: 2011
 Arizona State Land Department: 2007-2010
 *Data do not include Saddleback Heights Specific Area Plan Amendment (September 2011)

N
 2 0 2 Miles

Figure 3.6-2
Future Planned Land Use
Sun Valley to Morgan 500/230kV Transmission Line EIS Project



Legend

- Sun Valley to Morgan Proposed Action Right-of-Way
- Alternative 1 Proposed Action with Additional Corridor
- Alternative 2 South of SR 74
- Alternative 2 Corridor South of SR74
- Alternative 3 Carefree Highway
- Sub-alternative: State Trust Land Route Variation
- ACC Certificated Route
- Existing High-Voltage Substation
- Approved High-Voltage Substation
- Luke Air Force Base (AFB) Auxiliary Field #1
- Auxiliary Field #1 Accident Potential Zone
- Existing 500kV Transmission Line
- Existing 230kV Transmission Line
- Existing 69kV Transmission Line

- Airport
- Existing Mine Site
- Existing Land Use
- Recreation
- Parks/Preservation
- Vacant/Undeveloped
- Residential
- Commercial/Mixed Use
- Industrial
- Public/Quasi-Public
- School
- Agriculture
- Utilities
- Regional Park
- Study Area
- Existing Trail
- Existing and Future Development Areas

- Surface Land Management
- BLM
- USBR
- County
- Military
- Local or State Parks
- State Trust Lands
- Private

Base Map: ESRI Shaded Relief accessed at ArcGISOnline.com
URS: 2008, 2011
FAA 2009
Arizona State Land Department: 2007-2010

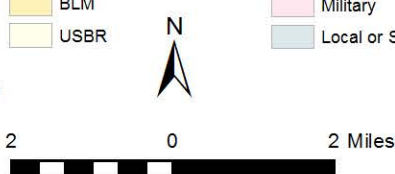
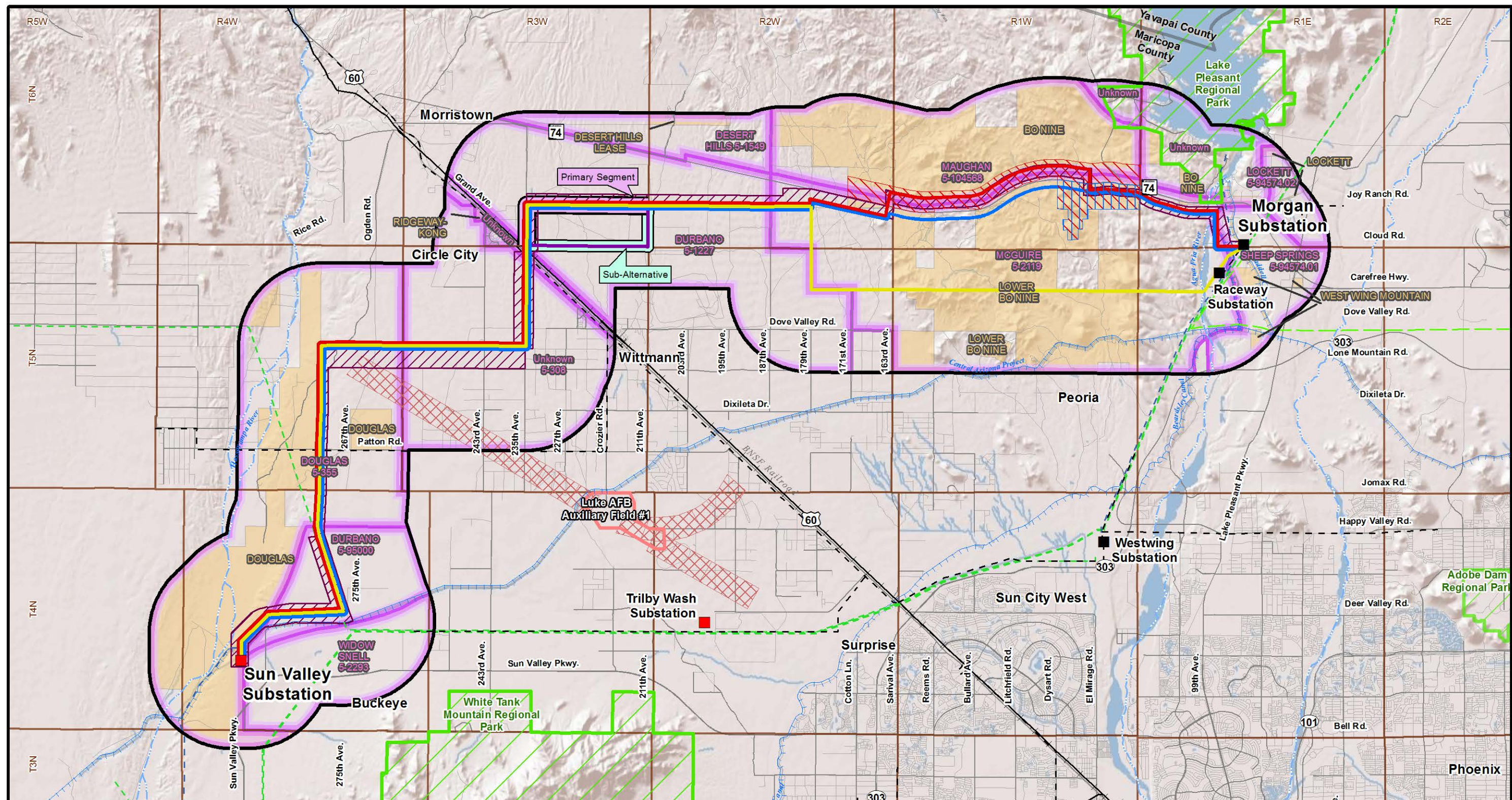
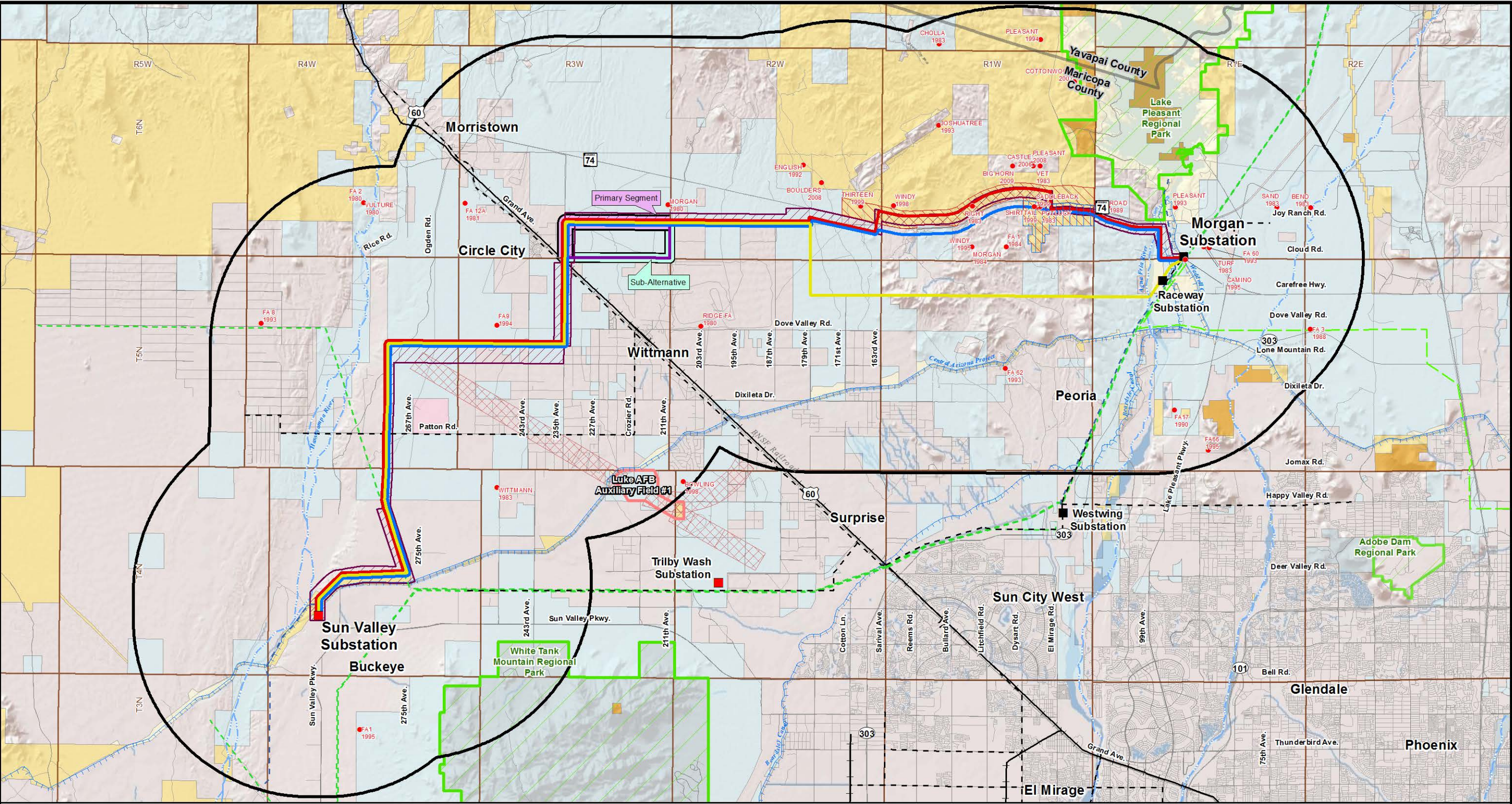


Figure 3.6-3
Existing Land Use
Sun Valley to Morgan 500/230kV Transmission Line EIS Project





Legend

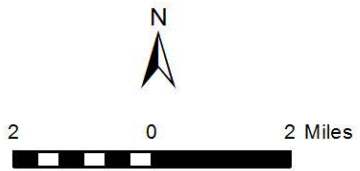
- | | |
|--|--|
| Sun Valley to Morgan Proposed Action Right-of-Way | Existing High-Voltage Substation |
| Alternative 1 Proposed Action with Additional Corridor | Approved High-Voltage Substation |
| Alternative 2 South of SR 74 | Existing 500kV Transmission Line |
| Alternative 2 Corridor South of SR74 | Existing 230kV Transmission Line |
| Alternative 3 Carefree Highway | Existing 69kV Transmission Line |
| Sub-alternative: State Trust Land Route Variation | Luke Air Force Base (AFB) Auxiliary Field #1 |
| ACC Certified Route | Auxiliary Field #1 Accident Potential Zone |

- Surface Land Management**
- | | | |
|---------|----------|----------------------|
| BLM | County | Local or State Parks |
| USBR | Military | State Trust Lands |
| Private | | |

- Fire History**
- | |
|----------------------------|
| Fire Location (Name, Year) |
|----------------------------|

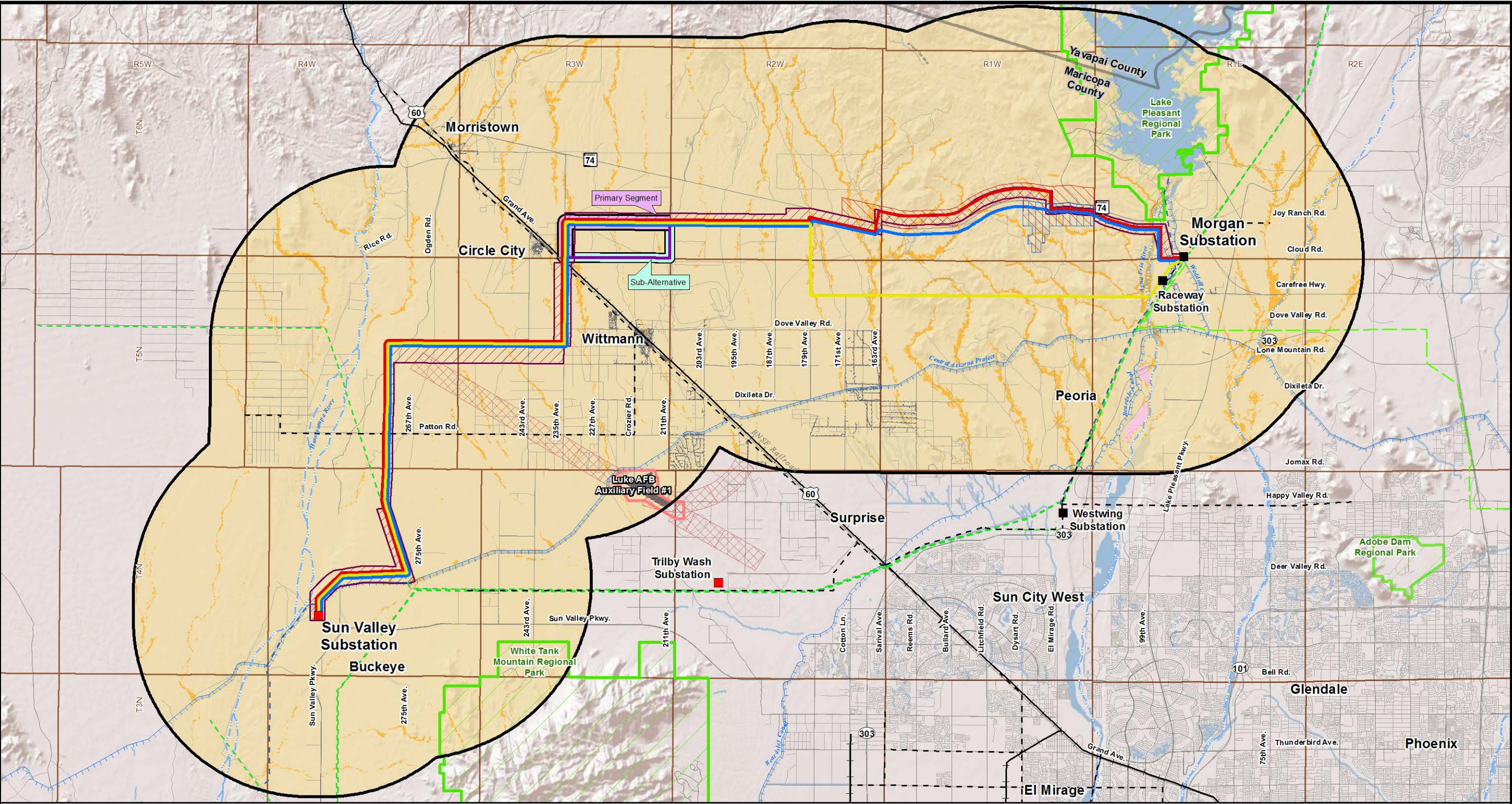
- Regional Park**
- | |
|---------------|
| Regional Park |
|---------------|

- Study Area**
- | |
|------------|
| Study Area |
|------------|



Base Map: ESRI Shaded Relief accessed at ArcGISOnline.com
Arizona State Land Department 2007-2010
Fire: LANDFIRE 2012

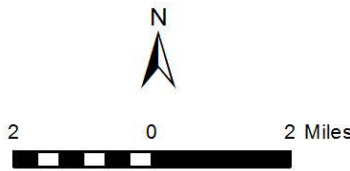
Figure 3.7-1
Fire History
Sun Valley to Morgan 500/230kV Transmission Line EIS Project



Legend

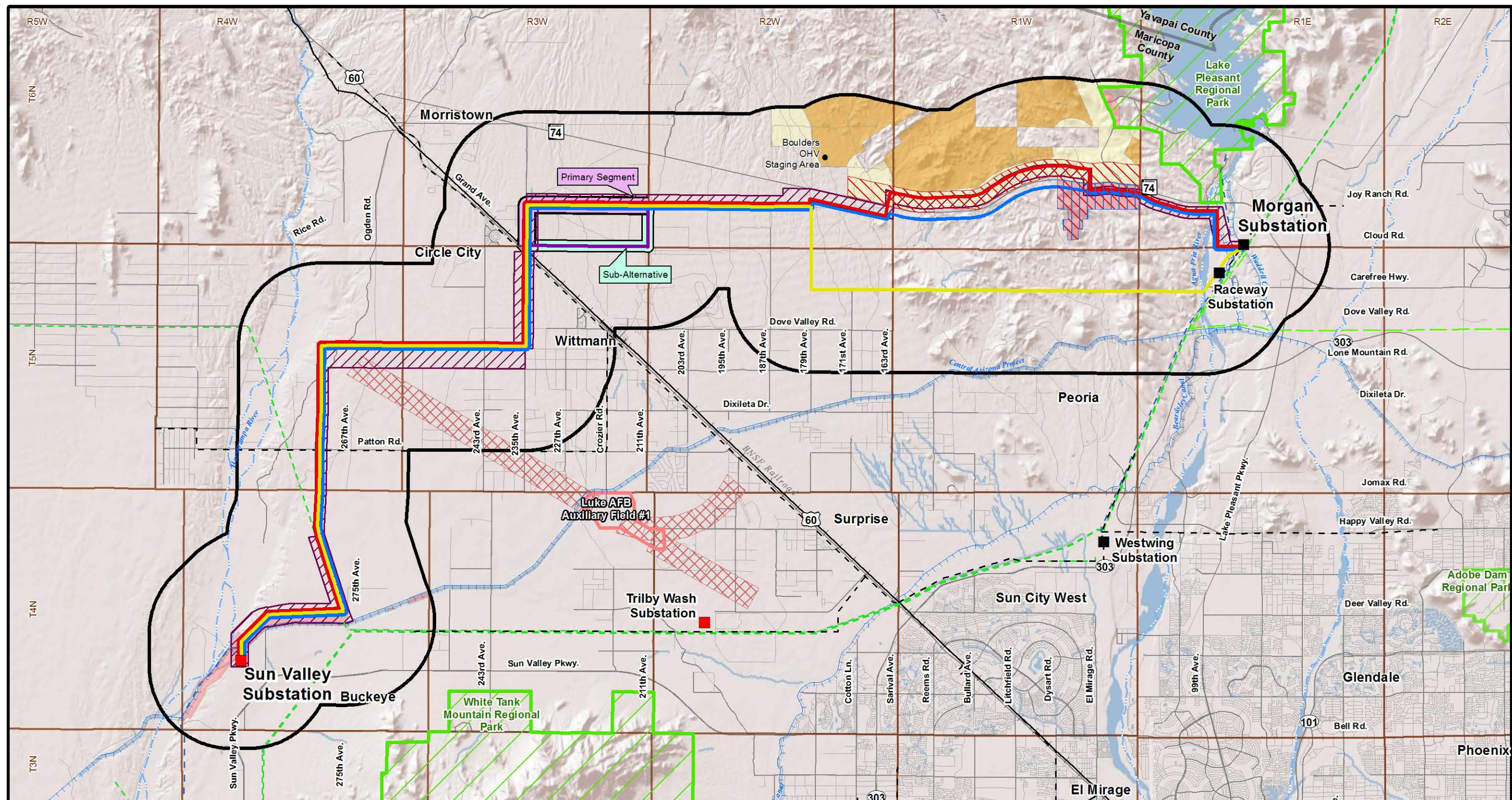
- | | |
|--|--|
| Sun Valley to Morgan Proposed Action Right-of-Way | Existing High-Voltage Substation |
| Alternative 1 Proposed Action with Additional Corridor | Approved High-Voltage Substation |
| Alternative 2 South of SR 74 | Existing 500kV Transmission Line |
| Alternative 2 Corridor South of SR74 | Existing 230kV Transmission Line |
| Alternative 3 Carefree Highway | Existing 69kV Transmission Line |
| Sub-alternative: State Trust Land Route Variation | Luke Air Force Base (AFB) Auxiliary Field #1 |
| ACC Certificated Route | Auxiliary Field #1 Accident Potential Zone |

- | | |
|-------------------------------------|-------------|
| Regional Park | |
| Study Area | |
| Vegetation Condition Classes | |
| Vegetation Class I | Urban |
| Vegetation Class II | Agriculture |



Base Map: ESRI Shaded Relief accessed at ArcGISOnline.com
Arizona State Land Department: 2007-2010
Fire: LANDFIRE 2012

Figure 3.7-2
Vegetation Condition Classes
Sun Valley to Morgan 500/230kV Transmission Line EIS Project



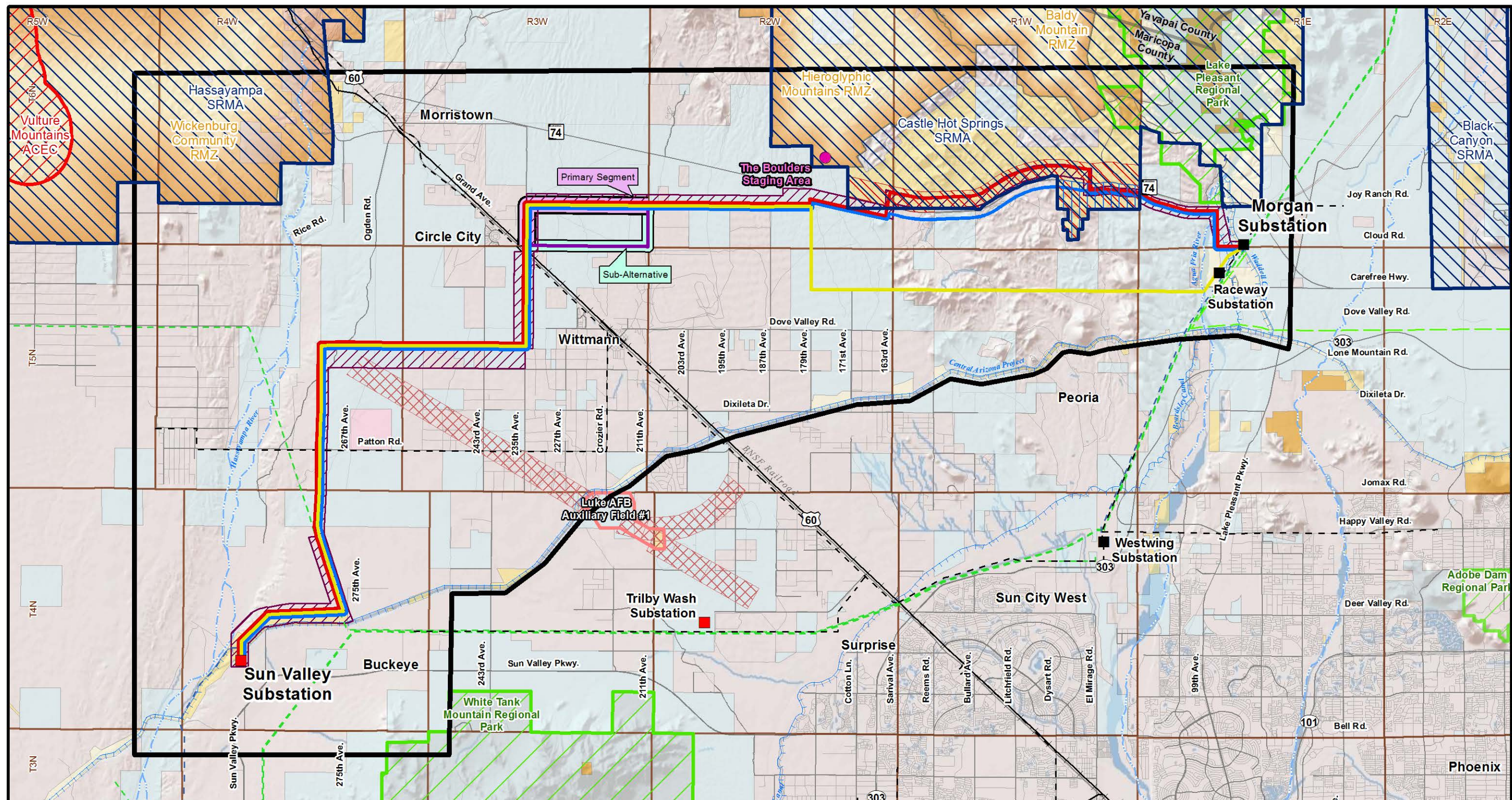
Legend

<p>— Sun Valley to Morgan Proposed Action Right-of-Way</p> <p>▨ Alternative 1 Proposed Action with Additional Corridor</p> <p>— Alternative 2 South of SR 74</p> <p>▨ Alternative 2 Corridor South of SR74</p> <p>— Alternative 3 Carefree Highway</p> <p>— Sub-alternative: State Trust Land Route Variation</p> <p>▨ ACC Certified Route</p>	<p>■ Existing High-Voltage Substation</p> <p>■ Approved High-Voltage Substation</p> <p>— Existing 500kV Transmission Line</p> <p>— Existing 230kV Transmission Line</p> <p>— Existing 69kV Transmission Line</p> <p>▨ Luke Air Force Base (AFB) Auxiliary Field #1</p> <p>▨ Auxiliary Field #1 Accident Potential Zone</p>	<p>▨ Regional Park</p> <p>▨ Study Area</p> <p>Recreation Opportunity Spectrum Classes</p> <p>▨ Roaded Natural</p> <p>▨ Rural</p> <p>▨ Semi-Primitive Motorized</p>
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Base Map: ESRI Shaded Relief accessed at ArcGISOnline.com
ROS: BLM

2 0 2 Miles

Figure 3.9-1
Recreation Opportunity Spectrum
Sun Valley to Morgan 500/230kV Transmission Line EIS Project



Base Map: ESRI Shaded Relief accessed at ArcGISOnline.com
 Arizona State Land Department: 2007-2010
 Special Designations: BLM 2011

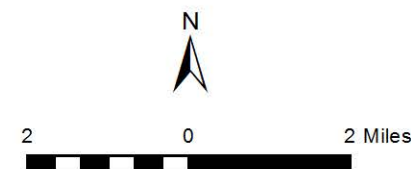


Figure 3.9-2
Special Designations and Special Recreation Management Areas
Sun Valley to Morgan 500/230kV Transmission Line EIS Project